

## Chapter 10 Preview

Circles

Geometry

Name \_\_\_\_\_

Date \_\_\_\_\_

**Define the following:**

- |                        |                       |
|------------------------|-----------------------|
| 1. Adjacent Arcs       | 14. Congruent Circles |
| 2. Arc                 | 15. Diameter          |
| 3. Arc Length          | 16. Inscribed         |
| 4. Center              | 17. Inscribed Angle   |
| 5. Central Angle       | 18. Intercepted Arc   |
| 6. Chord               | 19. Major Arc         |
| 7. Circle              | 20. Minor Arc         |
| 8. Circumference       | 21. Pi                |
| 9. Circumscribed       | 22. Point of Tangency |
| 10. Common Tangent     | 23. Radius            |
| 11. Compound Locus     | 24. Semicircle        |
| 12. Concentric Circles | 25. Tangent           |
| 13. Congruent Arcs     |                       |

**You *should* be able to do the following objectives:**

1. How do you identify and use parts of circles?
2. How do you solve problems involving the circumference of a circle?
3. How do you identify central angles, major arcs, minor arcs, and semicircles, and find their measures?
4. How do you find arc length?
5. How do you recognize and use relationships between arcs and chords?
6. How do you recognize and use relationships between arcs, chords, and diameters?
7. How do you find measures of inscribed angles?
8. How do you find measures of angles on inscribed polygons?
9. How do you use properties of tangents?
10. How do you solve problems involving circumscribed polygons?
11. How do you find measures of angles formed by lines intersecting on or inside a circle?
12. How do you find measure of angles formed by lines intersecting outside the circle?

If you can give a good definition for each term without having to look it up, then you should be ready to identify these terms for application. If you can describe a method as to how to perform each of the objectives, then you should be ready to perform these tasks. If there are any terms or objectives that you are unsure about, then these are the things you want to take extra time studying.

Use this Preview Sheet to help keep yourself organized as we progress through Chapter 10. Refer back to it. Understand the concepts that are included.

**Check the class wiki for summary assignments and bonus.**